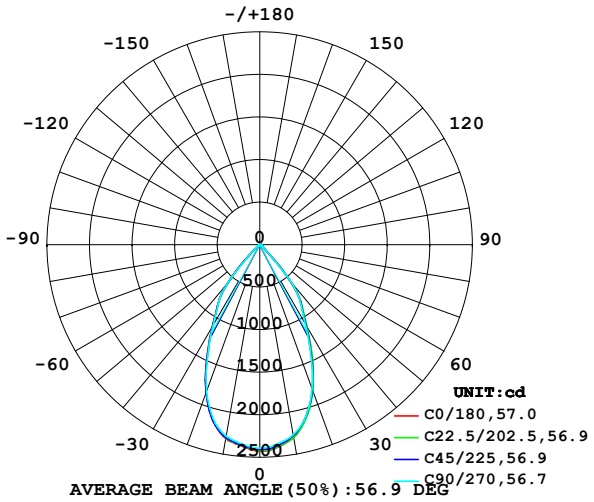
# LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---|---|
| Test:U:229.22V I:0.1202A P:26.581W PF:0.9645 Freq:49.99Hz Lamp Flux:2205.61x1 lm | | |
| NAME: HCP-81222128-28W 6000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

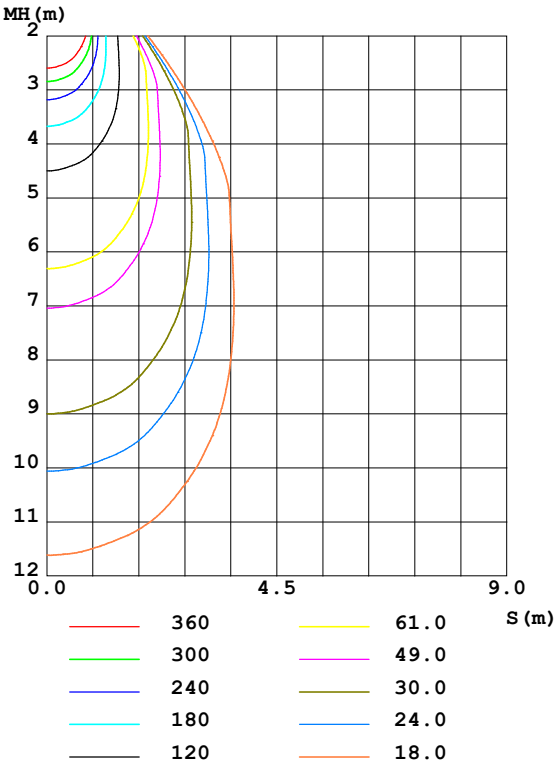
| DATA OF LAMP | | PHOTOMETRIC DATA | | Eff: 82.98 lm/W | |
|---|---|---|---|---|---|
| MODEL | HCP-81222128-28W 6000K | Imax(cd) | 2428 | S/MH(C0/180) | 0.88 |
| NOMINAL POWER(W) | 28 | LOR(%) | 100.0 | S/MH(C90/270) | 0.88 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 2205.6 | η UP,DN(C0-180) | 0.0,49.8 |
| NOMINAL FLUX(lm) | 2205.61 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,50.2 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 220 | η down(%) | 100.0 | CIBSE SHR MAX | 0.95 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM




AVERAGE BEAM ANGLE(50%):56.9 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

# ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 2300 | 2278 | 2268 | 2253 | 2315 | 2302 | 2283 | 2249 | 0- 10 | 222.6 | 222.6 | 10.1,10.1 |
| 20 | 1820 | 1807 | 1803 | 1797 | 1848 | 1849 | 1832 | 1795 | 10- 20 | 583.1 | 805.7 | 36.5,36.5 |
| 30 | 1102 | 1087 | 1073 | 1093 | 1127 | 1119 | 1105 | 1101 | 20- 30 | 662.3 | 1468 | 66.6,66.6 |
| 40 | 558.1 | 549.1 | 557.7 | 562.2 | 574.3 | 590.2 | 580.8 | 561.1 | 30- 40 | 524.9 | 1993 | 90.4,90.4 |
| 50 | 50.62 | 48.37 | 45.51 | 43.08 | 45.26 | 48.07 | 55.02 | 54.33 | 40- 50 | 168.1 | 2161 | 98,98 |
| 60 | 20.66 | 20.77 | 19.35 | 19.58 | 20.49 | 20.58 | 21.35 | 20.70 | 50- 60 | 27.83 | 2189 | 99.2,99.2 |
| 70 | 7.510 | 7.451 | 6.439 | 6.968 | 7.389 | 7.250 | 7.021 | 7.389 | 60- 70 | 13.06 | 2202 | 99.8,99.8 |
| 80 | 1.135 | 0.9182 | 0.7528 | 0.8311 | 0.9146 | 0.7237 | 0.7281 | 0.9061 | 70- 80 | 3.411 | 2205 | 100,100 |
| 90 | 0.1086 | 0.1086 | 0.0999 | 0.0999 | 0.1216 | 0.1042 | 0.1129 | 0.1042 | 80- 90 | 0.3650 | 2206 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

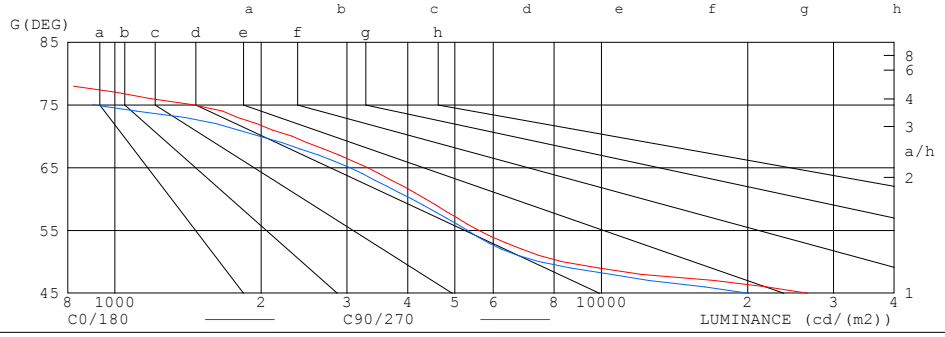
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

# LUMINANCE LIMITATION CURVES

| Test:U:229.22V I:0.1202A P:26.581W PF:0.9645 Freq:49.99Hz Lamp Flux:2205.61x1 lm | | |
|---|---|---|
| NAME: HCP-81222128-28W 6000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

**LUMINANCE LIMITATION CURVES**

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |
| | | a | b | c | d | e | f | g | h |




| LUMINANCE cd/(m2) | | |
|---|---|---|
| G(DEG) | C0/180 | C90/270 |
| 85 | 470 | 242 |
| 80 | 688 | 456 |
| 75 | 1447 | 901 |
| 70 | 2311 | 1982 |
| 65 | 3304 | 3039 |
| 60 | 4349 | 4074 |
| 55 | 5591 | 5308 |
| 50 | 8290 | 7452 |
| 45 | 26584 | 20056 |

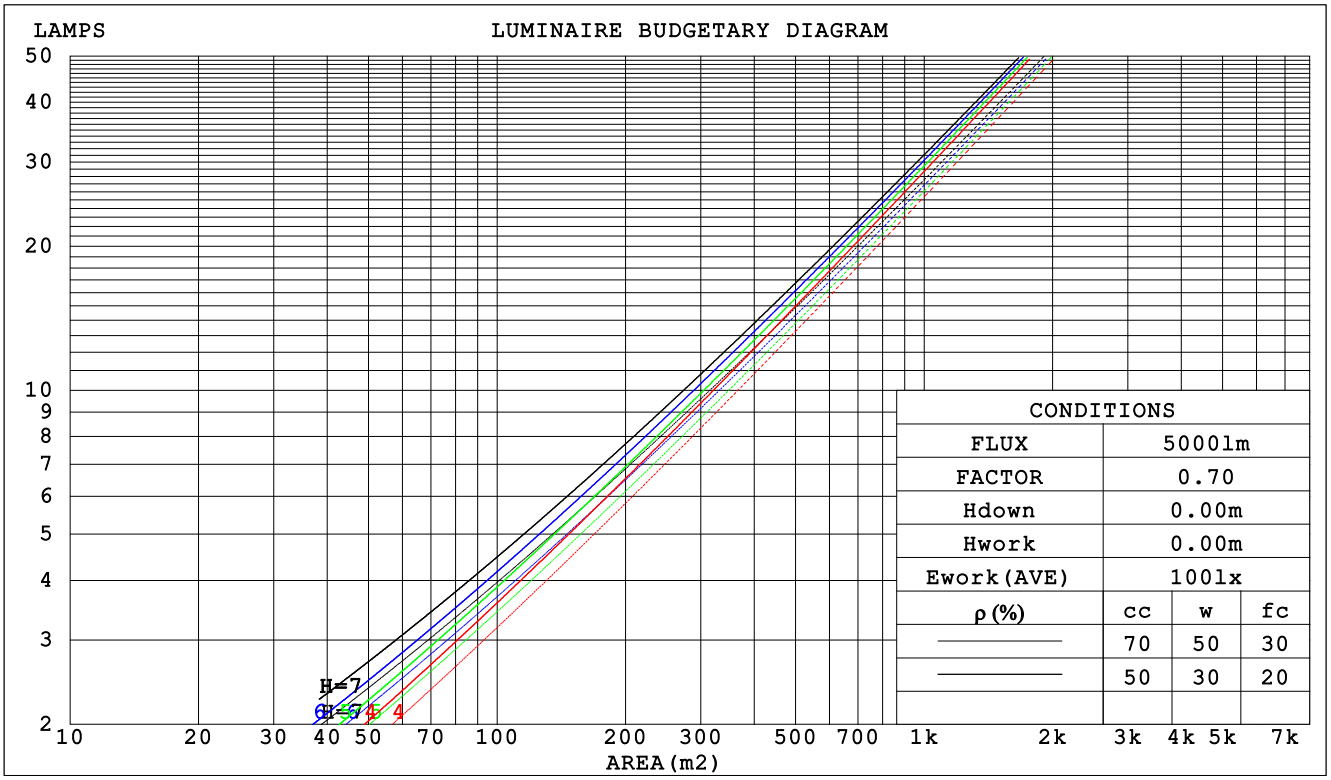
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

# CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---|---|
| Test:U:229.22V I:0.1202A P:26.581W PF:0.9645 Freq:49.99Hz Lamp Flux:2205.61x1 lm | | |
| NAME: HCP-81222128-28W 6000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Coefficients of Utilization(CU) | | | | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.11 | 1.08 | 1.06 | 1.08 | 1.06 | 1.04 | 1.04 | 1.03 | 1.01 | 1.01 | .99 | .98 | .97 | .96 | .95 | .93 |
| 2.0 | 1.03 | .98 | .95 | 1.01 | .97 | .94 | .98 | .95 | .92 | .95 | .92 | .90 | .92 | .90 | .88 | .86 |
| 3.0 | .95 | .90 | .86 | .94 | .89 | .86 | .91 | .87 | .84 | .89 | .86 | .83 | .87 | .84 | .82 | .80 |
| 4.0 | .89 | .83 | .79 | .88 | .82 | .78 | .86 | .81 | .77 | .84 | .80 | .77 | .82 | .78 | .76 | .74 |
| 5.0 | .83 | .77 | .73 | .82 | .76 | .72 | .80 | .75 | .72 | .79 | .74 | .71 | .77 | .73 | .70 | .69 |
| 6.0 | .78 | .72 | .67 | .77 | .71 | .67 | .75 | .70 | .66 | .74 | .69 | .66 | .73 | .69 | .66 | .64 |
| 7.0 | .73 | .67 | .62 | .72 | .66 | .62 | .71 | .66 | .62 | .70 | .65 | .61 | .68 | .64 | .61 | .60 |
| 8.0 | .68 | .62 | .58 | .68 | .62 | .58 | .67 | .61 | .58 | .66 | .61 | .57 | .65 | .60 | .57 | .56 |
| 9.0 | .64 | .58 | .54 | .64 | .58 | .54 | .63 | .58 | .54 | .62 | .57 | .54 | .61 | .57 | .54 | .52 |
| 10.0 | .61 | .55 | .51 | .60 | .55 | .51 | .60 | .54 | .51 | .59 | .54 | .51 | .58 | .54 | .50 | .49 |




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

## WEC AND CCEC

| Test:U:229.22V I:0.1202A P:26.581W PF:0.9645 Freq:49.99Hz Lamp Flux:2205.61x1 lm | | |
|---|---|---|
| NAME: HCP-81222128-28W 6000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coeffcients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .182 | .104 | .033 | .175 | .100 | .032 | .163 | .093 | .030 | .151 | .087 | .028 | .140 | .081 | .026 | |
| 2.0 | .175 | .096 | .029 | .170 | .093 | .029 | .159 | .088 | .027 | .149 | .084 | .026 | .140 | .079 | .025 | |
| 3.0 | .167 | .089 | .027 | .163 | .087 | .026 | .153 | .083 | .025 | .145 | .079 | .024 | .137 | .076 | .024 | |
| 4.0 | .160 | .083 | .024 | .155 | .081 | .024 | .148 | .078 | .023 | .140 | .075 | .023 | .133 | .073 | .022 | |
| 5.0 | .152 | .078 | .022 | .149 | .076 | .022 | .142 | .074 | .022 | .135 | .071 | .021 | .129 | .069 | .021 | |
| 6.0 | .145 | .073 | .021 | .142 | .072 | .021 | .136 | .070 | .020 | .130 | .068 | .020 | .125 | .066 | .020 | |
| 7.0 | .139 | .069 | .019 | .136 | .068 | .019 | .131 | .066 | .019 | .126 | .064 | .019 | .121 | .063 | .018 | |
| 8.0 | .133 | .065 | .018 | .130 | .064 | .018 | .126 | .063 | .018 | .121 | .061 | .018 | .117 | .060 | .017 | |
| 9.0 | .127 | .062 | .017 | .125 | .061 | .017 | .121 | .060 | .017 | .117 | .059 | .017 | .113 | .057 | .017 | |
| 10.0 | .122 | .059 | .016 | .120 | .058 | .016 | .116 | .057 | .016 | .113 | .056 | .016 | .109 | .055 | .016 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .171 | .157 | .144 | .147 | .135 | .124 | .100 | .093 | .086 | .058 | .054 | .050 | .019 | .017 | .016 | |
| 2.0 | .157 | .132 | .112 | .134 | .114 | .097 | .092 | .079 | .068 | .053 | .046 | .040 | .017 | .015 | .013 | |
| 3.0 | .145 | .114 | .089 | .124 | .098 | .077 | .085 | .068 | .054 | .049 | .040 | .032 | .016 | .013 | .010 | |
| 4.0 | .135 | .099 | .072 | .116 | .086 | .062 | .080 | .060 | .044 | .046 | .035 | .026 | .015 | .011 | .009 | |
| 5.0 | .126 | .087 | .059 | .109 | .076 | .051 | .075 | .053 | .036 | .043 | .031 | .021 | .014 | .010 | .007 | |
| 6.0 | .119 | .078 | .049 | .102 | .068 | .043 | .071 | .047 | .030 | .041 | .028 | .018 | .013 | .009 | .006 | |
| 7.0 | .113 | .071 | .041 | .097 | .061 | .036 | .067 | .043 | .026 | .039 | .025 | .015 | .013 | .008 | .005 | |
| 8.0 | .107 | .065 | .035 | .092 | .056 | .031 | .064 | .039 | .022 | .037 | .023 | .013 | .012 | .008 | .004 | |
| 9.0 | .102 | .060 | .031 | .088 | .052 | .027 | .061 | .036 | .019 | .036 | .021 | .011 | .012 | .007 | .004 | |
| 10.0 | .098 | .055 | .027 | .084 | .048 | .023 | .058 | .034 | .017 | .034 | .020 | .010 | .011 | .007 | .003 | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

## UGR(Unified Glare Rating) Table

| | | |
|---|---|---|
| Test:U:229.22V I:0.1202A P:26.581W PF:0.9645 Freq:49.99Hz Lamp Flux:2205.61x1 lm | | |
| NAME: HCP-81222128-28W 6000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 18.0 | 18.9 | 18.2 | 19.1 | 19.3 | 17.8 | 18.7 | 18.0 | 18.9 | 19.1 |
| 3H | 17.8 | 18.7 | 18.1 | 18.9 | 19.1 | 17.6 | 18.5 | 17.9 | 18.7 | 18.9 |
| 4H | 17.7 | 18.6 | 18.0 | 18.8 | 19.0 | 17.5 | 18.4 | 17.8 | 18.6 | 18.8 |
| 6H | 17.6 | 18.4 | 17.9 | 18.7 | 18.9 | 17.4 | 18.2 | 17.7 | 18.5 | 18.7 |
| 8H | 17.6 | 18.4 | 17.9 | 18.6 | 18.9 | 17.4 | 18.1 | 17.7 | 18.4 | 18.7 |
| 12H | 17.6 | 18.3 | 17.9 | 18.6 | 18.8 | 17.3 | 18.1 | 17.7 | 18.3 | 18.6 |
| 4H 2H | 17.7 | 18.6 | 18.0 | 18.8 | 19.0 | 17.5 | 18.4 | 17.8 | 18.6 | 18.8 |
| 3H | 17.6 | 18.3 | 17.9 | 18.6 | 18.9 | 17.4 | 18.1 | 17.7 | 18.4 | 18.6 |
| 4H | 17.5 | 18.2 | 17.8 | 18.5 | 18.8 | 17.3 | 17.9 | 17.6 | 18.2 | 18.6 |
| 6H | 17.4 | 18.0 | 17.8 | 18.3 | 18.7 | 17.2 | 17.8 | 17.6 | 18.1 | 18.4 |
| 8H | 17.4 | 17.9 | 17.7 | 18.2 | 18.6 | 17.1 | 17.7 | 17.5 | 18.0 | 18.4 |
| 12H | 17.3 | 17.8 | 17.7 | 18.2 | 18.6 | 17.1 | 17.6 | 17.5 | 17.9 | 18.3 |
| 8H 4H | 17.4 | 17.9 | 17.7 | 18.2 | 18.6 | 17.1 | 17.7 | 17.5 | 18.0 | 18.4 |
| 6H | 17.3 | 17.7 | 17.7 | 18.1 | 18.5 | 17.0 | 17.5 | 17.5 | 17.9 | 18.3 |
| 8H | 17.2 | 17.6 | 17.7 | 18.0 | 18.5 | 17.0 | 17.4 | 17.4 | 17.8 | 18.2 |
| 12H | 17.2 | 17.5 | 17.6 | 17.9 | 18.4 | 16.9 | 17.3 | 17.4 | 17.7 | 18.2 |
| 12H 4H | 17.3 | 17.8 | 17.7 | 18.2 | 18.6 | 17.1 | 17.6 | 17.5 | 18.0 | 18.3 |
| 6H | 17.2 | 17.6 | 17.7 | 18.0 | 18.5 | 17.0 | 17.4 | 17.4 | 17.8 | 18.2 |
| 8H | 17.2 | 17.5 | 17.6 | 17.9 | 18.4 | 16.9 | 17.3 | 17.4 | 17.7 | 18.2 |

| Variations with the observer position at spacings: | | |
|---|---|---|
| S = 1.0H | + 2.9 / -11.2 | + 2.8 / -11.7 |
| 1.5H | + 5.4 / - 9.8 | + 5.4 / - 9.9 |
| 2.0H | + 6.8 / - 4.1 | + 5.9 / - 3.3 |

CIE Pub.117, 2206 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.7)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

# UTILIZATION FACTORS TABLE

| Test:U:229.22V I:0.1202A P:26.581W PF:0.9645 Freq:49.99Hz Lamp Flux:2205.61x1 lm | | |
|---|---|---|
| NAME: HCP-81222128-28W 6000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

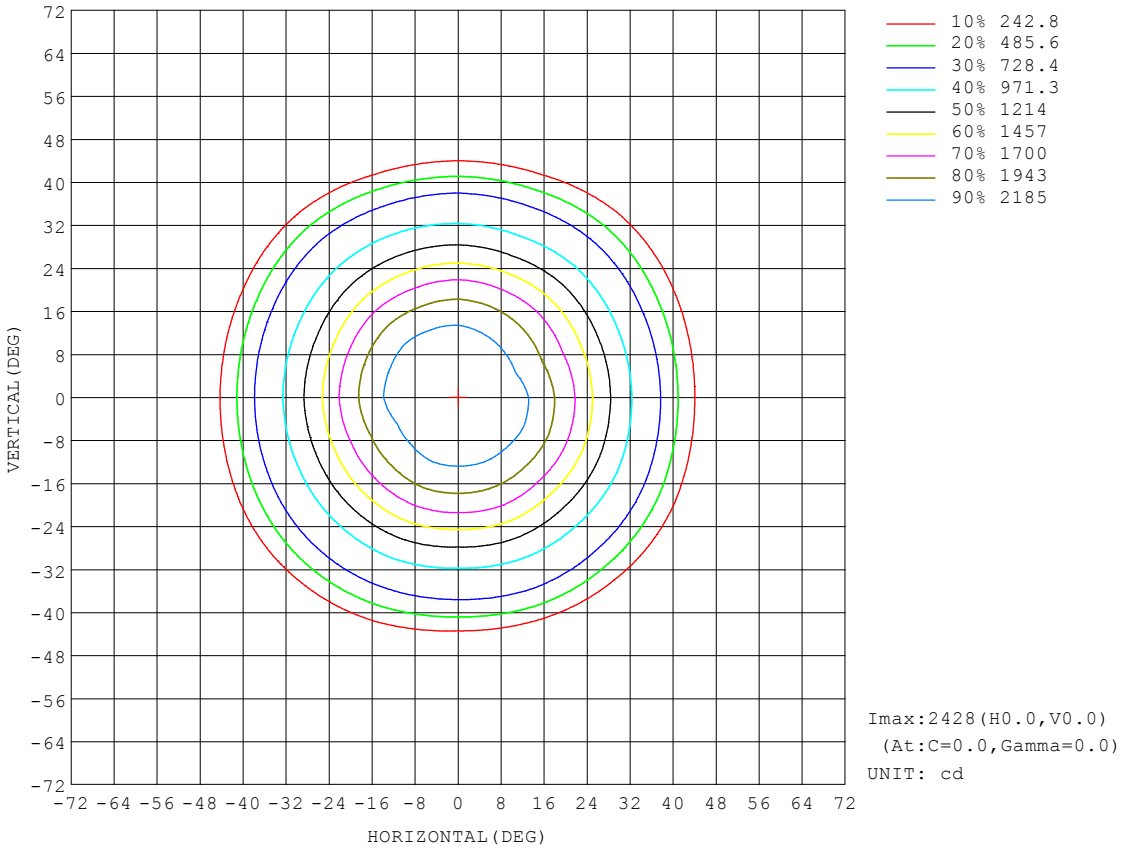
| REFLECTANCE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 85 | 79 | 75 | 85 | 79 | 75 | 84 | 78 | 75 | 71 |
| 0.80 | 93 | 87 | 83 | 93 | 87 | 83 | 91 | 86 | 83 | 79 |
| 1.00 | 98 | 92 | 89 | 97 | 92 | 88 | 96 | 92 | 88 | 84 |
| 1.25 | 102 | 97 | 93 | 101 | 96 | 93 | 99 | 95 | 92 | 88 |
| 1.50 | 105 | 100 | 97 | 104 | 100 | 96 | 102 | 98 | 95 | 91 |
| 2.00 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 98 | 93 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 94 |
| 3.00 | 111 | 108 | 105 | 110 | 107 | 104 | 106 | 104 | 102 | 95 |
| 4.00 | 114 | 111 | 108 | 111 | 109 | 107 | 108 | 106 | 104 | 97 |
| 5.00 | 115 | 112 | 111 | 113 | 111 | 109 | 109 | 107 | 106 | 98 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | | Suspended | | | | | SHRNOM = 1.25 | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

## ISOCANDELA DIAGRAM

| | | |
|---|---|---|
| Test:U:229.22V I:0.1202A P:26.581W PF:0.9645 Freq:49.99Hz Lamp Flux:2205.61x1 lm | | |
| NAME: HCP-81222128-28W 6000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

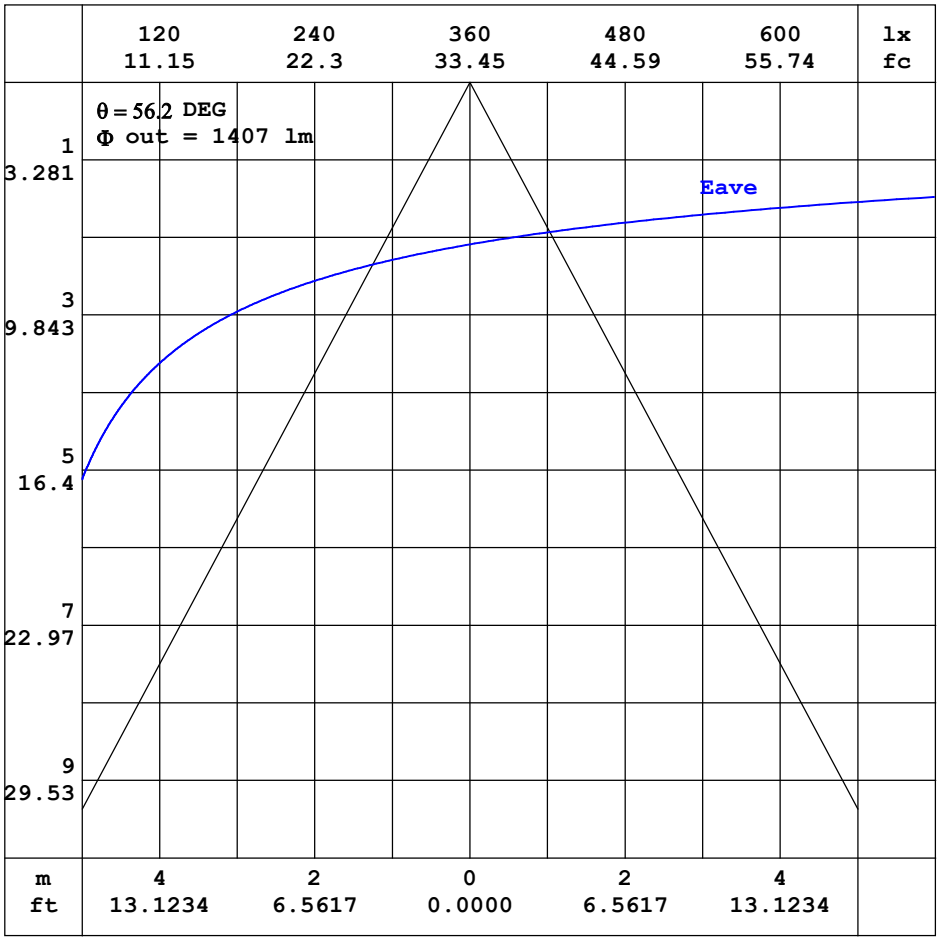



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

## AAI CURVES

| | | |
|---|---|---|
| Test:U:229.22V I:0.1202A P:26.581W PF:0.9645 Freq:49.99Hz Lamp Flux:2205.61x1 lm | | |
| NAME: HCP-81222128-28W 6000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |



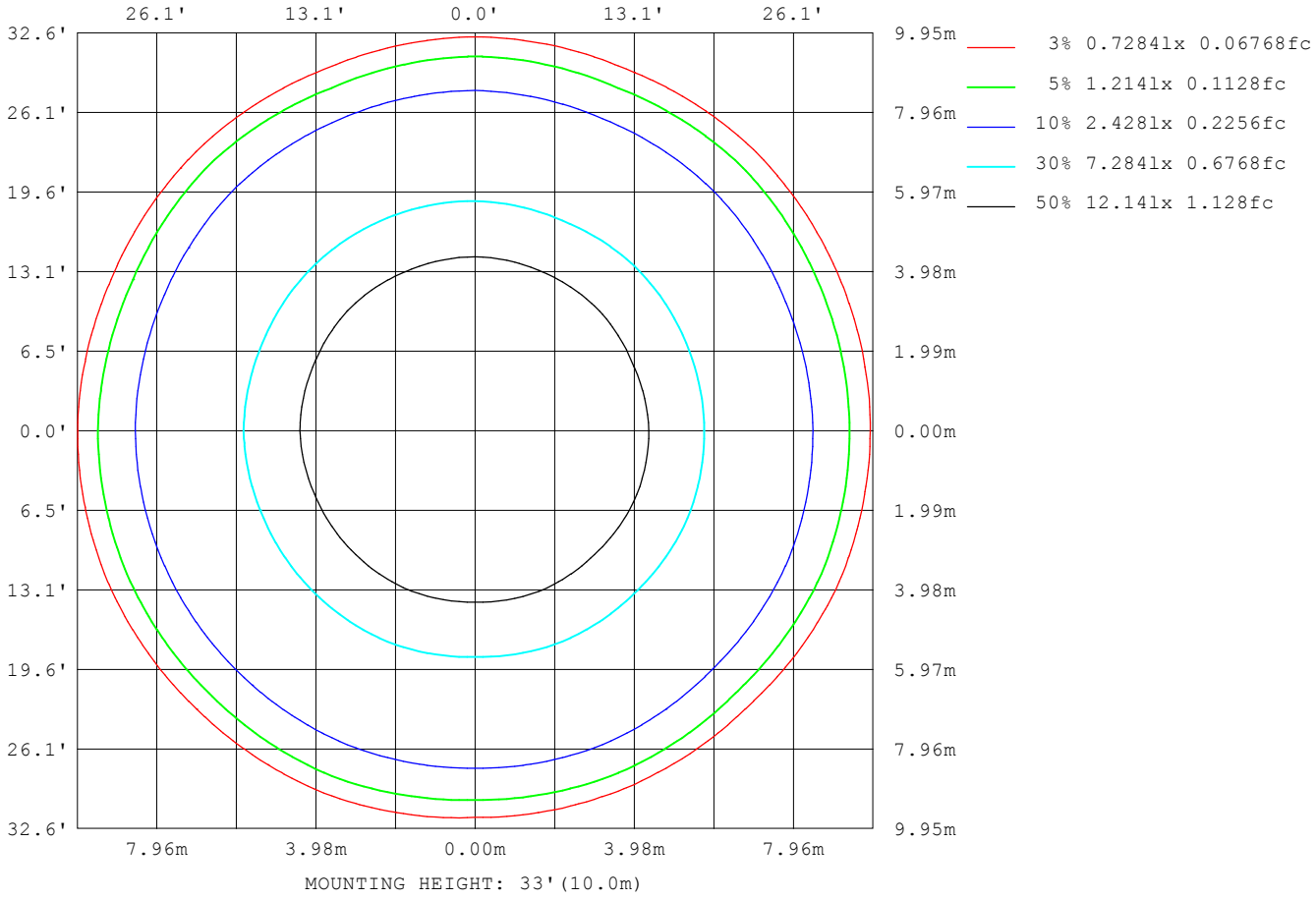

**Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.**

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

## ISOLUX DIAGRAM

| | | |
|---|---|---|
| Test:U:229.22V I:0.1202A P:26.581W PF:0.9645 Freq:49.99Hz Lamp Flux:2205.61x1 lm | | |
| NAME: HCP-81222128-28W 6000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

## LED Avg.L Report

| Test:U:229.22V I:0.1202A P:26.581W PF:0.9645 Freq:49.99Hz Lamp Flux:2205.61x1 lm | | |
|---|---|---|
| NAME: HCP-81222128-28W 6000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

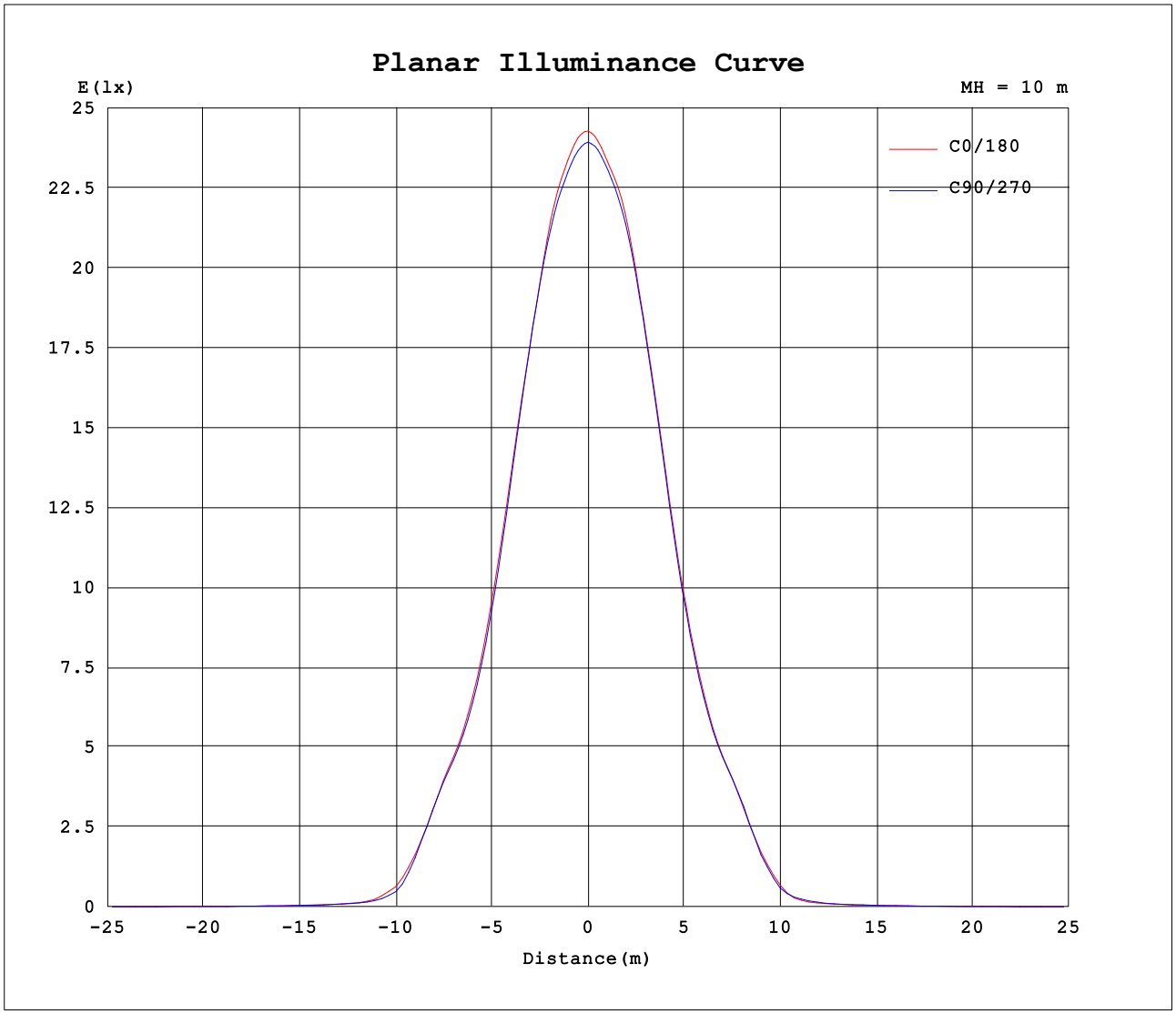
| AvgL | cd/m2 |
|---|---|
| L_0~180(65)av | 3287 |
| L_0~180(75)av | 1353 |
| L_0~180(85)av | 381 |
| L_90~270(65)av | 3147 |
| L_90~270(75)av | 940 |
| L_90~270(85)av | 231 |
| L_45(65)av | 3297 |
| L_45(75)av | 1199 |
| L_45(85)av | 262 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

## Planar Illuminance Curve




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-81222128-28W 6000K

# LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---|---|
| Test:U:229.22V I:0.1202A P:26.581W PF:0.9645 Freq:49.99Hz Lamp Flux:2205.61x1 lm | | |
| NAME: HCP-81222128-28W 6000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

Table--1 UNIT: cd

| γ (DEG) \ C(DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2428 | 2419 | 2409 | 2401 | 2393 | 2387 | 2380 | 2374 | 2428 | 2419 | 2409 | 2401 | 2393 | 2387 | 2380 | 2374 | | | |
| 5 | 2392 | 2386 | 2374 | 2365 | 2353 | 2344 | 2331 | 2322 | 2379 | 2373 | 2371 | 2362 | 2354 | 2343 | 2337 | 2331 | | | |
| 10 | 2300 | 2300 | 2278 | 2277 | 2268 | 2268 | 2253 | 2254 | 2315 | 2310 | 2302 | 2291 | 2283 | 2268 | 2249 | 2240 | | | |
| 15 | 2097 | 2112 | 2095 | 2095 | 2094 | 2099 | 2082 | 2080 | 2131 | 2129 | 2141 | 2121 | 2117 | 2089 | 2062 | 2037 | | | |
| 20 | 1820 | 1828 | 1807 | 1816 | 1803 | 1811 | 1797 | 1803 | 1848 | 1845 | 1849 | 1825 | 1832 | 1809 | 1795 | 1769 | | | |
| 25 | 1459 | 1459 | 1432 | 1444 | 1421 | 1443 | 1440 | 1443 | 1476 | 1462 | 1471 | 1454 | 1454 | 1438 | 1446 | 1434 | | | |
| 30 | 1102 | 1110 | 1087 | 1094 | 1073 | 1096 | 1093 | 1100 | 1127 | 1111 | 1119 | 1112 | 1105 | 1084 | 1101 | 1095 | | | |
| 35 | 855 | 856 | 844 | 844 | 838 | 838 | 840 | 844 | 860 | 855 | 860 | 852 | 853 | 839 | 844 | 837 | | | |
| 40 | 558 | 569 | 549 | 571 | 558 | 571 | 562 | 566 | 574 | 571 | 590 | 575 | 581 | 552 | 561 | 545 | | | |
| 45 | 179 | 170 | 143 | 139 | 135 | 159 | 172 | 189 | 191 | 172 | 171 | 158 | 166 | 164 | 179 | 179 | | | |
| 50 | 50.6 | 50.7 | 48.4 | 47.6 | 45.5 | 45.0 | 43.1 | 43.6 | 45.3 | 45.3 | 48.1 | 49.1 | 55.0 | 54.6 | 54.3 | 51.6 | | | |
| 55 | 30.5 | 30.7 | 30.5 | 30.2 | 28.9 | 28.5 | 28.5 | 28.7 | 29.3 | 28.6 | 29.9 | 29.8 | 31.7 | 31.5 | 31.6 | 30.7 | | | |
| 60 | 20.7 | 21.0 | 20.8 | 20.3 | 19.4 | 19.3 | 19.6 | 20.0 | 20.5 | 19.9 | 20.6 | 20.5 | 21.3 | 20.8 | 20.7 | 20.3 | | | |
| 65 | 13.3 | 13.4 | 13.6 | 13.1 | 12.2 | 12.4 | 12.6 | 13.0 | 13.1 | 12.8 | 13.4 | 13.0 | 13.1 | 13.1 | 13.4 | 13.0 | | | |
| 70 | 7.51 | 7.56 | 7.45 | 6.84 | 6.44 | 6.45 | 6.97 | 7.17 | 7.39 | 6.99 | 7.25 | 6.78 | 7.02 | 6.84 | 7.39 | 7.44 | | | |
| 75 | 3.56 | 3.69 | 3.15 | 2.49 | 2.21 | 2.29 | 2.71 | 3.07 | 3.09 | 2.67 | 2.71 | 2.37 | 2.41 | 2.40 | 3.22 | 3.47 | | | |
| 80 | 1.14 | 1.06 | 0.92 | 0.81 | 0.75 | 0.72 | 0.83 | 0.89 | 0.91 | 0.84 | 0.72 | 0.70 | 0.73 | 0.77 | 0.91 | 1.09 | | | |
| 85 | 0.39 | 0.31 | 0.24 | 0.18 | 0.20 | 0.17 | 0.22 | 0.24 | 0.24 | 0.25 | 0.18 | 0.21 | 0.18 | 0.23 | 0.23 | 0.34 | | | |
| 90 | 0.11 | 0.10 | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.12 | 0.12 | 0.10 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-01

γ Range: 0 - 90DEG
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Humidity:65.0%
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